

Investigation: How will the height of an inclined plane affect the distance that a marble will move a cup?

Procedures:

1. Set up a ramp using a block and the ruler.
2. Place the cup over the ruler. The end of the ruler should touch the back of the cup.
3. Place the small marble in the center groove at the ruler's highest end.
4. Release it to roll down the ramp and measure the distance from the bottom of the ramp to the back of the cup. Record your data.
5. Repeat Steps 3 and 4 two more times.
6. Place another block on top of the first to raise the height of the inclined plane. Then place the marble in the center groove at the ruler's highest end.
7. Release it to roll down the ramp and measure the distance from the bottom of the ramp to the back of the cup. Record your data.
8. Repeat steps 6 and 7 two more times.
9. Discuss the results.
10. Graph the results.

Height of Inclined Plane	Trial 1	Trial 2	Trial 3

Investigation: How will the height of an inclined plane affect the distance that a marble will move a cup?

Procedures:

1. Set up a ramp using a block and the ruler.
2. Place the cup over the ruler. The end of the ruler should touch the back of the cup.
3. Place the small marble in the center groove at the ruler's highest end.
4. Release it to roll down the ramp and measure the distance from the bottom of the ramp to the back of the cup. Record your data.
5. Repeat Steps 3 and 4 two more times.
6. Place another block on top of the first to raise the height of the inclined plane. Then place the marble in the center groove at the ruler's highest end.
7. Release it to roll down the ramp and measure the distance from the bottom of the ramp to the back of the cup. Record your data.
8. Repeat steps 6 and 7 two more times.
9. Discuss the results.
10. Graph the results.

Height of Inclined Plane	Trial 1	Trial 2	Trial 3